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012864145 **Image available**
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Integrated electronic control apparatus for vehicle chassis - NoAbstract
Patent Assignee: MANDO MACHINERY CO LTD (MAND-N); MANDO MACHINERY CORP LTD (MAND-N)
Inventor: KIM B; KIM E; KIM N; KIM S; KIM B S; KIM E T; KIM N H; KIM S H
Number of Countries: 001 Number of Patents: 002
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KR 98078162	A	19981116	KR 9715600	A	19970425	200003	B
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Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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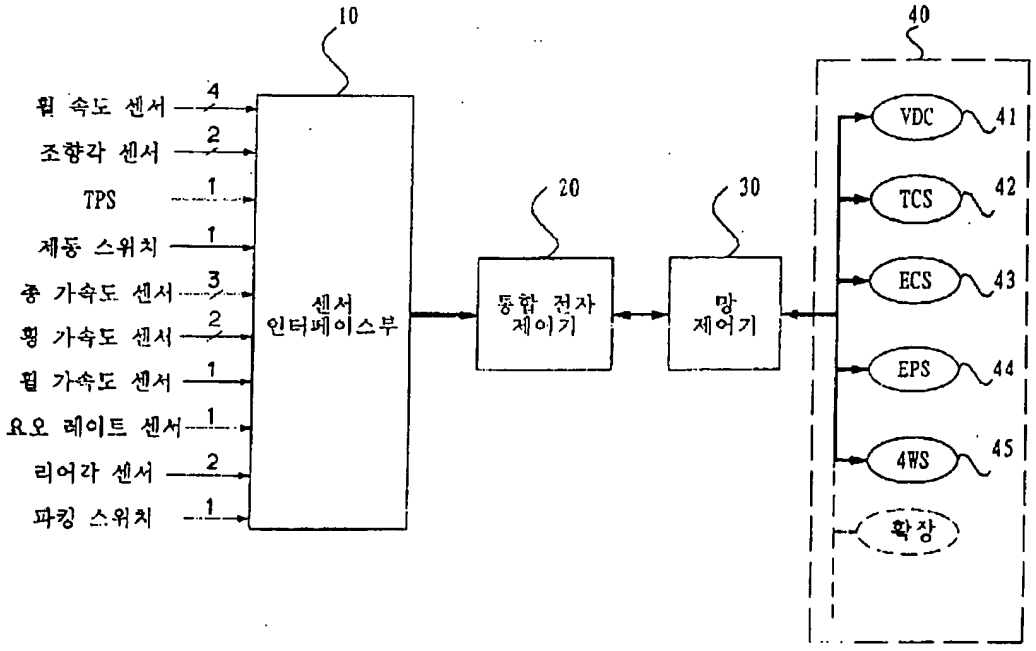

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(71) Applicant:
MANDO MACHINERY CORP.
(72) Inventor:
KIM, BONG SU
KIM, EUNG TAE
KIM, NAK HWAN
KIM, SEONG HO
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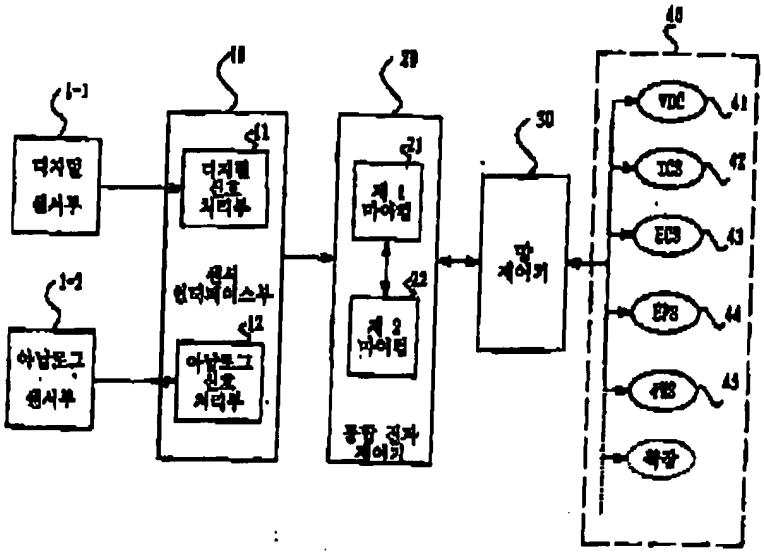
UNIFIED ELECTRONIC CONTROL APPARATUS OF VEHICLE CHASSIS

Representative drawing



(57) Abstract:

PURPOSE: A unified electronic control apparatus of a vehicle chassis is provided to reduce the number of electric lines by sharing various sensors, and to reduce the cost by making various systems be operated individually.

CONSTITUTION: A digital sensor part (1-1) consists of a wheel velocity sensor, a steering angle sensor, a brake switch and a parking switch and outputs a pulse waveform of a digital signal. A analog sensor part(1-2) consists of a breadthwise acceleration sensor, a rate sensor, a wheel acceleration sensor, a throttl position sensor(TPS) and a rear angl sensor and outputs an analog signal. A sensor interface part(10) consists of a digital signal processing part(11) and an analog signal processing part(12), which passes a usabl frequency band and an unnecessary frequency band

among the analog signal. The sensor int rface part(10) receives result signals of the sensors and switches to remove external noise. A unified electronic controll (20) converts th analog signal from the processing part(12) into a digital signal and converts the converted digital signal and the result signals into data suited for various systems. A network controller(30) transfers output signals of the unified electronic controller(20) to the systems, and a system processing part(40) performs a corresponding operation for individual chassis control using result signals of the sensors and the switches transferred through the network controller(30).

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